IFWO

RAW SEQUENCE LISTING   DATE: 09/24/2004
PATENT APPLICATION: US/10/659,004   TIME: 13:45:32

Input Set : **A:\CURA-908.app**
Output Set: **N:\CRF4\09242004\J659004.raw**

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 2 <110> APPLICANT: Zhong et al.
 4 <120> TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND
METHODS OF USE
 7 <130> FILE REFERENCE: 21402-608
 9 <140> CURRENT APPLICATION NUMBER: 10/659004
10 <141> CURRENT FILING DATE: 2003-09-09
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13 <151> PRIOR FILING DATE: 2001-06-04
15 <150> PRIOR APPLICATION NUMBER: 60/295,661
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36 <150> PRIOR APPLICATION NUMBER: 60/299,949
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42 <150> PRIOR APPLICATION NUMBER: 60/301,550
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57 <150> PRIOR APPLICATION NUMBER: 60/322,293
58 <151> PRIOR FILING DATE: 2001-09-14
60 <150> PRIOR APPLICATION NUMBER: 60/322,706
61 <151> PRIOR FILING DATE: 2001-09-17
63 <150> PRIOR APPLICATION NUMBER: 60/341,186
64 <151> PRIOR FILING DATE: 2001-12-14
66 <150> PRIOR APPLICATION NUMBER: 60/361,189
67 <151> PRIOR FILING DATE: 2002-02-28
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ENTERED

P.6

RAW SEQUENCE LISTING   DATE: 09/24/2004
PATENT APPLICATION: US/10/659,004   TIME: 13:45:32

Input Set : A:\CURA-908.app
Output Set: N:\CRF4\09242004\J659004.raw

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 70 <151> PRIOR FILING DATE: 2002-03-12
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 73 <151> PRIOR FILING DATE: 2002-03-12
 75 <150> PRIOR APPLICATION NUMBER: 10/044564
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 97 <151> PRIOR FILING DATE: 2001-08-17
 99 <150> PRIOR APPLICATION NUMBER: 10/094886
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139 <151> PRIOR FILING DATE: 2001-03-13
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RAW SEQUENCE LISTING   DATE: 09/24/2004
PATENT APPLICATION: US/10/659,004   TIME: 13:45:32

Input Set : A:\CURA-908.app
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159 <150> PRIOR APPLICATION NUMBER: 60/276,776
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192 <150> PRIOR APPLICATION NUMBER: 60/325,378
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198 <150> PRIOR APPLICATION NUMBER: 60/278,152
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204 <150> PRIOR APPLICATION NUMBER: 60/303,237,
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207 <150> PRIOR APPLICATION NUMBER: 60/322,360
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210 <150> PRIOR APPLICATION NUMBER: 60/279,036
211 <151> PRIOR FILING DATE: 2001-03-27
213 <150> PRIOR APPLICATION NUMBER: 60/312,191,
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RAW SEQUENCE LISTING   DATE: 09/24/2004
PATENT APPLICATION: US/10/659,004   TIME: 13:45:32

Input Set : **A:\CURA-908.app**
Output Set: **N:\CRF4\09242004\J659004.raw**

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223 <151> PRIOR FILING DATE: 2001-09-14
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226 <151> PRIOR FILING DATE: 2001-04-02
228 <150> PRIOR APPLICATION NUMBER: 60/414832
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231 <150> PRIOR APPLICATION NUMBER: 60/409544
232 <151> PRIOR FILING DATE: 2002-09-10
234 <150> PRIOR APPLICATION NUMBER: 60/413342
235 <151> PRIOR FILING DATE: 2002-09-25
237 <150> PRIOR APPLICATION NUMBER: 60/412767
238 <151> PRIOR FILING DATE: 2002-09-24
240 <150> PRIOR APPLICATION NUMBER: 60/412766
241 <151> PRIOR FILING DATE: 2002-09-23
243 <150> PRIOR APPLICATION NUMBER: 60/411060
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246 <150> PRIOR APPLICATION NUMBER: 60/412825
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249 <150> PRIOR APPLICATION NUMBER: 60/410320
250 <151> PRIOR FILING DATE: 2002-09-12
252 <150> PRIOR APPLICATION NUMBER: 60/409145
253 <151> PRIOR FILING DATE: 2002-09-09
255 <160> NUMBER OF SEQ ID NOS: 187
257 <170> SOFTWARE: CuraSeqList version 0.1
259 <210> SEQ ID NO: 1
260 <211> LENGTH: 2383
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
264 <220> FEATURE:
265 <221> NAME/KEY: CDS
266 <222> LOCATION: (17)..(2383)
268 <400> SEQUENCE: 1
269 caccaagctt cccacc atg cgg ctg ctg ctg gcc ctg ttg ggg gtc ctg ctg   52
270                    Met Arg Leu Leu Leu Ala Leu Leu Gly Val Leu Leu
271                     1               5                      10
273 agt gtg cct ggg cct cca gtc tcg tcc ctg gag gcc tct gag gaa gtg   100
274 Ser Val Pro Gly Pro Pro Val Ser Ser Leu Glu Ala Ser Glu Glu Val
275         15                  20                  25
277 gag ctt gag ccc tgc ctg gct ccc agc ctg gag cag caa gag cag gag   148
278 Glu Leu Glu Pro Cys Leu Ala Pro Ser Leu Glu Gln Gln Glu Gln Glu
279     30                  35                  40
281 ctg aca gta gcc ctt ggg cag cct gtg cgg ctg tgc tgt ggg cgg gct   196
282 Leu Thr Val Ala Leu Gly Gln Pro Val Arg Leu Cys Cys Gly Arg Ala
283 45                  50                  55                  60
285 gag cgt ggt ggc cac tgg tac aag gag ggc agt cgc ctg gca cct gct   244
```

```
286 Glu Arg Gly Gly His Trp Tyr Lys Glu Gly Ser Arg Leu Ala Pro Ala
287             65                70                75
289 ggc cgt gta cgg ggc tgg agg ggc cgc cta gag att gcc agc ttc cta   292
290 Gly Arg Val Arg Gly Trp Arg Gly Arg Leu Glu Ile Ala Ser Phe Leu
291             80                85                90
293 cct gag gat gct ggc cgc tac ctc tgc ccg gca cga ggc tcc atg atc   340
294 Pro Glu Asp Ala Gly Arg Tyr Leu Cys Pro Ala Arg Gly Ser Met Ile
295         95                100               105
297 gtc ctg cag aat ctc acc ttg att aca ggt gac tcc ttg acc tcc agc   388
298 Val Leu Gln Asn Leu Thr Leu Ile Thr Gly Asp Ser Leu Thr Ser Ser
299 110                115               120
301 aac gat gat gag gac ccc gag tcc cat agg gac ctc tcg aat agg cac   436
302 Asn Asp Asp Glu Asp Pro Glu Ser His Arg Asp Leu Ser Asn Arg His
303 125                130               135               140
305 agt tac ccc cag caa gca ccc tac tgg aca cac ccc cag cgc atg gag   484
306 Ser Tyr Pro Gln Gln Ala Pro Tyr Trp Thr His Pro Gln Arg Met Glu
307             145               150               155
309 aag aaa ctg cat gca gta cct gcg ggg aac acc gtc aag ttc cgc tgt   532
310 Lys Lys Leu His Ala Val Pro Ala Gly Asn Thr Val Lys Phe Arg Cys
311             160               165               170
313 cca gct gca ggc aac ccc acg ccc acc atc cgc tgg ctt aag gat gga   580
314 Pro Ala Ala Gly Asn Pro Thr Pro Thr Ile Arg Trp Leu Lys Asp Gly
315             175               180               185
317 cag gcc ttt cat ggg gag aac cgc att gga ggc att cgg ctg cgc cat   628
318 Gln Ala Phe His Gly Glu Asn Arg Ile Gly Gly Ile Arg Leu Arg His
319 190                195               200
321 cag cac tgg agt ctc gtg atg gag agc gtg gtg ccc tcg gac cgc ggc   676
322 Gln His Trp Ser Leu Val Met Glu Ser Val Val Pro Ser Asp Arg Gly
323 205                210               215               220
325 aca tac acc tgc ctg gta gag aac gct gtg ggc agc atc cgt tat aac   724
326 Thr Tyr Thr Cys Leu Val Glu Asn Ala Val Gly Ser Ile Arg Tyr Asn
327             225               230               235
329 tac ctg cta gat gtg ctg gag cgg tcc ccg cac cgg ccc atc ctg cag   772
330 Tyr Leu Leu Asp Val Leu Glu Arg Ser Pro His Arg Pro Ile Leu Gln
331             240               245               250
333 gcc ggg ctc ccg gcc aac acc aca gcc gtg gtg ggc agc gac gtg gag   820
334 Ala Gly Leu Pro Ala Asn Thr Thr Ala Val Val Gly Ser Asp Val Glu
335             255               260               265
337 ctg ctg tgc aag gtg tac agc gat gcc cag ccc cac atc cag tgg ctg   868
338 Leu Leu Cys Lys Val Tyr Ser Asp Ala Gln Pro His Ile Gln Trp Leu
339 270                275               280
341 aag cac atc gtc atc aac ggc agc agc ttc gga gcc gac ggt ttc ccc   916
342 Lys His Ile Val Ile Asn Gly Ser Ser Phe Gly Ala Asp Gly Phe Pro
343 285                290               295               300
345 tat gtg caa gtc cta aag act gca gac atc aat agc tca gag gtg gag   964
346 Tyr Val Gln Val Leu Lys Thr Ala Asp Ile Asn Ser Ser Glu Val Glu
347             305               310               315
349 gtc ctg tac ctg cgg aac gtg tca gcc gag gac gca ggc gag tac acc  1012
350 Val Leu Tyr Leu Arg Asn Val Ser Ala Glu Asp Ala Gly Glu Tyr Thr
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/24/2004
PATENT APPLICATION: US/10/659,004   TIME: 13:45:33

Input Set : **A:\CURA-908.app**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:39; N Pos. 78,113,236,771,822,863,873,1262,1280,1286,1295,1442,1625
Seq#:39; N Pos. 1626,1628,1775,2168,2255
Seq#:40; Xaa Pos. 20,21,33,74,102,131,136,252,269,283,286,297,416,422,424
Seq#:40; Xaa Pos. 427,476,537,586,665,717,746
Seq#:75; N Pos. 24,25,58,70,172,282,306,337,445,517
Seq#:76; Xaa Pos. 17,21,92,110,146
Seq#:81; Xaa Pos. 346
Seq#:82; Xaa Pos. 346
Seq#:95; N Pos. 38,53,169,308,394
Seq#:96; Xaa Pos. 7,12,51,97,126
Seq#:113; N Pos. 160
Seq#:114; Xaa Pos. 15

VERIFICATION SUMMARY   DATE: 09/24/2004
PATENT APPLICATION: **US/10/659,004**   TIME: 13:45:33

Input Set : **A:\CURA-908.app**
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```
L:7310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:60
M:341 Repeated in SeqNo=39
L:7469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16
M:341 Repeated in SeqNo=40
L:10417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
M:341 Repeated in SeqNo=75
L:10463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:16
M:341 Repeated in SeqNo=76
L:11522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:336
L:11809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:336
L:12543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0
M:341 Repeated in SeqNo=95
L:12585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:0
M:341 Repeated in SeqNo=96
L:14957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:120
L:15025 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:0
```